

CLAIMS

WE CLAIM:

29. A METHOD OF PATHOGEN REMOVAL FROM JUICES COMPRISING THE STEPS OF:
  - A. CREATING ACTIVATED OXYGEN GAS BY PASSING AMBIENT AIR OVER AN ULTRAVIOLET LAMP(185 NANOMETER FREQUENCY).
  - B. INJECTING THE ACTIVATED OXYGEN GAS INTO THE JUICE CONTAINER USING POROUS SPARGING TUBES (BUBBLE CREATING) TO CREATE 20 TO 60 MICRON ACTIVATED OXYGEN BUBBLES.
  - C. TO BUBBLE THE ACTIVATED OXYGEN GAS FOR A SPECIFIC AMOUNT OF TIME (TIME WILL VARY WITH DIFFERENT JUICES).
  - D. THE EXPOSURE TO ACTIVATED OXYGEN FOR THE SPECIFIC DESIGNED TIME WILL DESTROY PATHOGENS AND NOT AFFECT THE ENZYMES.
30. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS APPLE CIDER
31. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS ORANGE
33. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS TANGERINE
34. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS CRANBERRY
35. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS LIME
36. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS GRAPEFRUIT
37. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS CHERRY
38. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS GRAPE
39. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS APRICOT
40. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS STRAWBERRY
41. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS NECTARINE
42. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS PEACH
43. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS PEACH NECTAR
44. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS RASPBERRY
45. THE PROCESS FOR CLAIM 26, WHEREIN THE JUICE IS LEMON
46. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS PEAR
47. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS PINEAPPLE
48. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS BLACKBERRY
49. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS BLUEBERRY
50. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS PRUNE
51. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS MANGO
52. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS PAPAYA
53. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS GUAVA
54. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS BOYSENBERRY
55. THE PROCESS FOR CLAIM 29, WHEREIN THE JUICE IS PLUM
56. THE PROCESS FOR CLAIM 29, FOR ANY MIXTURES OF THE ABOVE
57. THE PROCESS FOR CLAIM 29, WILL NOT DESTROY ENZYMES AS DOES ALL PASTEURIZATION SYSTEMS.